

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave. St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001317**Date Inspected:** 08-Oct-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** Office, OBG 6 AE, Lift 2 West, Sub-Assembly**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

**Office**

Sort and organize project documentation. Created new binders for individual lift components of bridge elements.  
Lift 2 West

ZPMC personnel applied Interzinc 52 to exposed bolts of Counterweight #14 and Suspender Brackets SB14W AND SB16W. Suspender Bracket 16W remains in place with Faying surface in contact with mist coat area instead of Interzinc 22. Incident report was drafted for this and it remains open.

**Sub-Assemblies**

Base metal surfaces were de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting operations.  
Floor Beam codes: FB3011-001, FB3062-001, FB3063-001.

**OBG 6AE**

Transported to blast shop #1 for abrasive blasting operations and chloride testing.

**Lift 2 East**

Traveler Rail Bracket affixed to the West Side Plate were tested for MEK cure test and Pencil Hardness testing prior to application of Interfine 979 "Mist" coat. MEK was 5 Rating and Pencil Hardness was 2H.

**Lift 2 West**

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## SOURCE INSPECTION REPORT

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side plate was "Mist" coated as well on repair areas.

### Lift 2 West

Internal surfaces of the Side Plates and the Bottom Plate areas were abrasive blasted to remove rust staining and corrosion products from base metal surfaces and previously undercoated surfaces of Interzinc 22 from Panel Points #15-17 and Interzinc 22 re-applied to affected areas.

### Office

Send update to Mark Miller to inform of potential ZPMC work processes.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative were available for inspections and consultation.

### Summary of Conversations:

No relevant conversations on this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-7549, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Lumley,James	Quality Assurance Inspector
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<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer
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